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10/763,182	01/26/2004	Yohichiroh Matsuno	248143US2	6515
22850	7590	07/13/2007	EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.			TIMBLIN, ROBERT M	
1940 DUKE STREET			ART UNIT	PAPER NUMBER
ALEXANDRIA, VA 22314			2167	
NOTIFICATION DATE		DELIVERY MODE		
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No.	Applicant(s)
	10/763,182	MATSUNO ET AL.
	Examiner	Art Unit
	Robert M. Timblin	2167

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 25 April 2007.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) See Continuation Sheet is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-7, 19-21, 25-31, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62-66, 77-79, 81, 83-88, 100, 103, 105, 111, 113, 116, 119, and 121 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 12604
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) Notice of Informal Patent Application
- 6) Other: _____

Continuation of Disposition of Claims: Claims pending in the application are 1-7,19-21,25-31,44,46,48,50,52,54,56,58,60,62-66,77-79,81,83-88,100,103,105,111,113,116,119 and 121.

DETAILED ACTION

This office action corresponds to application 10/763,182 filed 1/26/2004.

Election/Restrictions

Claims 1-7, 19-21, 25-31, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62-66, 77-79, 81, 83-88, 100, 103, 105, 111, 113, 116, 119, and 121 have been provisionally elected by the Applicants with traverse in the reply filed on 11/2/2006. Accordingly, these claims are pending prosecution.

In response to Applicant's inquiry of the finality of the restriction requirement, the Examiner submits that Applicant's election of Group I, Claims 1-7, 19-21, 25-31, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62-66, 77-79, 81, 83-88, 100, 103, 105, 111, 113, 116, 119, and 121 in the reply filed on 11/2/2006 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a) and 821.01). The restriction requirement has been made final.

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 2/8/2007 has been accepted and is being considered by the Examiner. The Examiner, however, asks Applicant to complete the IDS to include the corresponding Application publication numbers of 11/558,685 and 11/561,070.

Priority

Acknowledgment is made of applicant's claim for foreign priority. All certified copies have been received and entered.

Response to Amendment

Applicant's amendments have been entreated. Accordingly, claims 1-7, 19-21, 25-31, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62-66, 77-79, 81, 83-88, 100, 103, 105, 111, 113, 116, 119, and 121 remain pending.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-7, 19-21, 25-31, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62-66, 77-79, 81, 83-88, 100, 103, 105, 111, 113, 116, 119, and 121 are rejected under 35 U.S.C. 102(e) as being anticipated by McFadden (U.S. Patent Application 2003/0126137). In the cited paragraphs, figures and drawing references, McFadden teaches:

With respect to claim 1, a merge information providing apparatus comprising:

a plurality of means for providing information (figures 1, 7; spokes) regarding a user (abstract; i.e. individuals); and

means for acquiring said user information (paragraphs 0037-0038 and 0224) regarding said user (36) from each of said plurality of user information providing means (figures 1, 7) and merging said acquired user information regarding said user (paragraphs 0045, 0089, 0169, and 0064; i.e. addition and inclusion of users into groups).

With respect to claim 2 and similar claim 26, the merge information providing apparatus of as claimed in claim 1, wherein said merge information providing apparatus comprises:

user information acquisition means for acquiring said information regarding said user from each of said plurality of user information providing means (paragraphs 0037, 0114 and figure 1, drawing reference 12); and

user information merging means for merging said information regarding said user acquired in said user information acquisition means (figure 1 and paragraphs 0045-0047, 0089, 0169, and 0064).

With respect to claim 3 and similar claim 27, the merge information providing apparatus as claimed in claim 2, wherein said user information acquisition means acquires said information regarding said user from each of said plurality of user

information providing means by using first use permission information permitting the use of each of said plurality of user information providing means (paragraph 0064).

With respect to claim 4 and similar claim 28, the merge information providing apparatus as claimed in claim 3, further comprising use permission information acquisition means for acquiring said first use permission information from each of said plurality of user information providing means (figures 5 and 8).

With respect to claim 5 and similar claim 29, the merge information providing apparatus as claimed in claim 1, further comprising use permission information creation means for creating second use permission information that permits the use of said merge user information providing means (0069-0073).

With respect to claim 6 and similar claim 30, the merge information providing apparatus of the claim 5, wherein said use permission information creation means creates said second use permission information including said first use permission information by using said first use permission information (0030, 0178 and 0245).

With respect to claim 7 and similar claims 31, 66, and 87, the merge information providing apparatus as claimed in claim 1, further comprising means for setting up each of said plurality of user information providing means according to a request (0060, 0062, 0067 and figure 5; creating a spoke).

With respect to claim 19 and similar claim 58, an information providing apparatus comprising:

means for providing information regarding a designated user (0080) in response to a request from a merge user information providing means (32,42), said merge user information providing apparatus (figure 7 and drawing references 32, 34, 42, 44)

includes said user information providing means and other user information providing means (figure 7 and drawing references 32, 34, 42, 44) as subordinate user information providing means (18, 32, 42), to said merge user information providing means (drawing references 12, 14).

With respect to claim 20, the information providing apparatus as claimed in claim 19, wherein said user information providing means further comprises means for saving said information regarding said user (0003, 0030-0032, and figures 3 and 7; user records).

With respect to claim 21, the information providing apparatus as claimed in claim 19, wherein said information regarding said user is user information (32,42) and/or group information of a group to which said user belongs (34 44), and wherein said group information includes user information and/or group information of other user information providing means (0029, 0064, and figure 9).

With respect to claim 25, McFadden teaches this claim substantially the same as claim 1. Furthermore, McFadden teaches a means for transmitting a setup request regarding a set up of each said plurality of user information providing means (0060-0064, and figure 5; establishing a spoke).

With respect to claim 44, a merge information providing method in a merge user information providing apparatus, said merge user information providing apparatus (drawing references 12,14, 50) including a plurality of means for providing information regarding a user (Figures 1, 7, drawing references 16, 32, and at leas paragraph 0064), said method comprising the steps of:

acquiring said user information (36) regarding said user from user information providing means (paragraphs 0037 and 0224); and

providing said acquired information regarding said user with merging (paragraphs 0045, 0089, 0169, and 0064; addition and inclusion of users into groups).

With respect to claim 46, this claim is essentially similar to claim 19 and therefore the according rejection rationale is applied

With respect to claim 48, a managing method in a merge user information providing apparatus, said merge user information providing apparatus including a plurality of means providing information regarding a user as subordinate user information providing means, said method comprising the steps of:

acquiring said user information regarding said user from said user information providing means (paragraphs 0037 and 0224);

merging said acquired user information regarding said user (paragraphs 0045, 0089, 0169, and 0064; addition and inclusion of users into groups); and

transmitting a set up request of said user information providing means (0060, 0062, 0067 and figure 5; creating a spoke).

With respect to claim 50, a computer-implemented method for providing merge information in merge user information providing apparatus, said merge user information providing apparatus including a plurality of means for providing information regarding a user, said method comprising the steps of:

acquiring information regarding said user from user information providing means (paragraphs 0037 and 0224); and

providing said acquired information regarding said user with merging (paragraphs 0045, 0089, 0169, and 0064; addition and inclusion of users into groups).

With respect to claim 52, a computer-implemented method of providing information in a user information providing apparatus, said user information providing apparatus including a means for providing information regarding a user, said method comprising:

providing, in response to a request from a merge user information providing apparatus (32,42) comprising including said user information providing means and other

user information providing means (figure 7 and drawing references 32, 34, 42, 44), information regarding a designated user to said merge user information providing apparatus (0080).

With respect to claim 54, a computer-implemented method of managing information in a merge user information providing apparatus, said merge user information providing apparatus including a plurality of means for providing user information regarding a user as subordinate user information providing means, said method comprising the steps of:

acquiring said user information regarding said user from each of said plurality of user information providing means (paragraphs 0037 and 0224);

merging said acquired user information regarding said user (paragraphs 0045, 0089, 0169, and 0064; addition and inclusion of users into groups); and

transmitting a set up request for a set up of said user information providing means (0060-0064, and figure 5; establishing a spoke).

With respect to claim 56, a processor-readable medium storing program code for providing merge information in merge user information providing apparatus, said merge user information providing apparatus including a plurality of means for providing information regarding a user, said method comprising the steps of:

acquiring said user information regarding said user from user information providing means (paragraphs 0037 and 0224); and

merging said acquired user information regarding said user (paragraphs 0045, 0089, 0169, and 0064; addition and inclusion of users into groups).

With respect to claim 60, a processor-readable medium storing program code for managing information in a merge user information providing apparatus, said merge user information providing apparatus including a plurality of means for providing user information regarding a user as subordinate user information providing means, said method comprising the steps of:

acquiring said user information regarding said user from each of said plurality of user information providing means (paragraphs 0037 and 0224);

merging said user acquired information regarding said user (paragraphs 0045, 0089, 0169, and 0064; addition and inclusion of users into groups); and

transmitting a set up request for a set up of said plurality of user information providing means (0060, 0062, 0067 and figure 5; creating a spoke).

With respect to claim 62, a merge information providing apparatus comprising:

A plurality of (16, 32) means for providing user information (42, 32) regarding a user (36),

Means for acquiring said user information regarding a user registered to one of said user information providing means (0080) of which use is permitted; and

Means for acquiring said user information (36) regarding the same user registered to other user information providing means (spokes of figure 1), without

distinguishing (0081, 38) the user by the user whether or not the use of said information providing means is permitted, said merge information providing apparatus providing said acquired information regarding said user with merging (paragraphs 0045, 0089, 0169, and 0064; addition and inclusion of users into groups).

With respect to claim 63, the merge information providing apparatus as claimed in claim 62, further comprising:

means for managing distinction information that distinguishes said user registered to said user information providing means (0056);

means for acquiring said user information regarding said user from said user information providing means (paragraphs 0037, 0114 and figure 1); and

means for merging said user information regarding said user acquired in said user information acquisition means (figure 1 and paragraphs 0045-0047, 0089, 0169, and 0064).

With respect to claim 64, the merge information providing apparatus as claimed in claim 63, wherein said distinction information managing means provides said distinction information of said same user to said user information acquisition means in response to a request from said user information acquisition means (0056, identifying group membership).

With respect to claim 65, the merge information providing apparatus as claimed in claim 62, wherein said user information acquisition means acquires said user information regarding said user from said user information providing means by using permission (0112) information that permits the use of said distinction information and said user information providing means (0069, drawing reference 218).

With respect to claim 77, an information providing apparatus comprising:
means for providing information regarding a use, said user information providing means corresponding to a distinction information that distinguishes said user registered to said information providing means and/or other user information providing apparatus to merge user information providing means in response to a request from said merge user information providing apparatus (0030), said merge user information providing apparatus (12, 14) including said user information (32) providing means and other user information providing means (34).

With respect to claim 78, the information providing apparatus as claimed in claim 77, further comprising means for saving said information regarding the user (0003, 0030-0032, and figures 3 and 7; user records).

With respect to claim 79, the information providing apparatus as claimed in claim 77, wherein said information regarding said user is user information and/or group information of a group to which said user belongs, said group information including user

information and/or group information of other user information providing means (0029, 0064, and figure 9).

With respect to claim 81, the information providing apparatus as claimed in claim 78, wherein said user information providing means further comprises means for saving said information regarding to said user (0003, 0030-0032, and figures 3 and 7; user records).

With respect to claim 83, a managing apparatus, comprising:

a merge information providing apparatus including a plurality of means for providing (12, 14), said merge user information providing means comprising plural user information providing means (16, 32) providing user information (42, 32) regarding a user (36); and

means for transmitting information regarding set up of said subordinate user information providing means (figure 1),

means for acquiring said user information regarding a user registered (0080) to the user information providing means (figure 7 and drawing references 32, 34, 42, 44) of which use is permitted and the same user registered to other user information providing means, without distinguishing (0081, 38) the user by the user information providing means of which use is permitted, said merge information providing apparatus merging said acquired information regarding said user (paragraphs 0045, 0089, 0169, and 0064; addition and inclusion of users into groups).

With respect to claim 84, the managing apparatus as claimed in claim 83, comprising:

means for managing distinction information that distinguishes whether said user is registered to said user information providing means (0056);

means for acquiring said user information regarding said user from said user information providing means (paragraphs 0037, 0114 and figure 1); and

user information merging means merging said user information regarding said user acquired in said user information acquisition means (figure 1 and paragraphs 0045-0047, 0089, 0169, and 0064).

With respect to claim 85, the managing apparatus as claimed in claim 84, wherein said distinction information managing means provides said distinction information of said same user to said user information acquisition means in response to a request from said user information acquisition means (0056, identifying group membership).

With respect to claim 86, the managing apparatus as claimed in claim 84, wherein said user information acquisition means acquires said user information regarding said user from said user information providing means by using permission information that permits the use of said distinction information and said user information providing means (0069, drawing reference 218).

With respect to claim 88, the managing apparatus as claimed in claim 83, further comprising means for displaying a screen for setting up said merge user information providing means and said subordinate user information providing means (0050).

With respect to claim 100, a merge user information providing method in merge user information providing apparatus, said merge user information providing including a plurality of means for providing user information regarding a user, comprising the steps of:

acquiring information regarding a user (0084) registered to said user information providing means (16, 32) of which use is permitted and the same user registered to other user information providing means, without distinguishing said user by whether or not the use of said user information providing means is permitted (0081, 38); and

merging said acquired user information regarding said user with merging (paragraphs 0045, 0089, 0169, and 0064; addition and inclusion of users into groups).

With respect to claim 103, an information providing method in a user information providing apparatus, said user information providing apparatus including means for providing information regarding a user, comprising the step of:

providing, in response to a request from a merge user information providing apparatus (12, 14), said merge user information providing apparatus (12, 14) including said user information providing means and other user information providing means, information regarding a user corresponding to distinction information registered to said

user information providing means and/or other user information providing means for distinguishing said user to said merge user information providing apparatus (0030-0032, 0056, 0064, 0087 and figures 7-8).

With respect to claim 105, a managing method in a merge user information providing apparatus, said merge user information providing including a plurality of means for providing user information regarding a user, comprising the steps of:

acquiring information regarding a user (0084) registered to said user information providing means (16, 32) of which use is permitted and the same user registered to other user information providing means, without distinguishing said user by whether or not the use of said user information providing means is permitted (paragraphs 0045, 0081, 0089, 0169, and 0064); addition and inclusion of users into groups;

merging said acquired user information regarding said user (paragraphs 0045, 0089, 0169, and 0064; addition and inclusion of users into groups); and

transmitting a request regarding setup of said subordinate information providing means (0060-0064, and figure 5; establishing a spoke).

With respect to claim 111, a computer-implemented information providing method in a user information providing apparatus, said user information providing means providing information regarding a user, comprising the step of:

providing, in response to a request from merge user information providing apparatus (12, 14), said merge user information providing apparatus (32,42) including

said user information providing means (32, 42) and other user information providing means (figures 1, 7, drawing references 16, 32, and at least paragraph 0064) as subordinate information providing means (16) information regarding a user corresponding to distinction information registered to said user information providing means and/or other user information providing means for distinguishing said user to said merge user information providing apparatus (0030).

With respect to claim 113, a computer-implemented managing method in merge user information providing apparatus, said merge user information providing apparatus including means for providing user information regarding a user, comprising the steps of:

acquiring information regarding a user registered to said user information providing means (16, 32, 42) of which use is permitted and the same user registered to other user information providing means, without distinguishing said user by whether or not the use of said user information providing means is permitted (paragraphs 0045, 0081, 0089, 0169, and 0064);

merging said acquired user information regarding said user (paragraphs 0045, 0089, 0169, and 0064; addition and inclusion of users into groups); and

transmitting a request regarding setup of said information providing means (0060, 0062, 0067 and figure 5; creating a spoke).

With respect to claim 116, a processor-readable medium storing a program code for providing merge user information in a merge user information providing apparatus, said merge user information providing apparatus including a plurality of means for providing user information regarding a user, comprising the steps of:

acquiring information regarding a user registered to said user information providing means (16, 32) of which use is permitted and the same user registered to other user information providing means, without distinguishing said user by whether or not the use of said user information providing means is permitted (paragraphs 0045, 0081, 0089, 0169, and 0064; and

merging said acquired information regarding said user with merging (paragraphs 0045, 0089, 0169, and 0064; addition and inclusion of users into groups).

With respect to claim 119, a processor-readable medium for providing information in user information providing apparatus, said user information providing apparatus including means for providing information regarding a user, comprising the step of:

providing, in response to a request from merge user information providing apparatus, said merge user information providing apparatus (12, 14) including said user information providing means (32, 42, 16) and other user information providing means (figures 1, 7, drawing references 16, 32, and at least paragraph 0064), information regarding a user corresponding to distinction information registered to said user information providing means and/or other user information providing means for

distinguishing said user to said merge user information providing apparatus (0030-0032, 0056, 0064, 0087 and figures 7-8).

With respect to claim 121, a processor-readable medium for managing information in a merge user information providing apparatus, said merge user information providing apparatus including a plurality of means for providing user information regarding a user, comprising the steps of:

acquiring information regarding a user (0084) registered to said user information providing means (32, 16) of which use is permitted and the same user registered to other user information providing means, without distinguishing said user by whether or not the use of said user information providing means is permitted (paragraphs 0045, 0081, 0089, 0169, and 0064);

merging said acquired user information regarding said user with merging (paragraphs 0045, 0089, 0169, and 0064; addition and inclusion of users into groups); and

transmitting a request regarding setup of said information providing means (0060-0064, and figure 5; establishing a spoke).

With respect to claim 124, A merge information providing apparatus, comprising: means for receiving an acquisition request (0045, last 3 lines) for access for a user (0069) to an information provider (0069) of a plurality of information providers (figure 1);

means for acquiring user information (0112) regarding the use from the plurality of information providers (figure 1) based on the acquisition request (0112; permission request); and

means for merging the acquired user information (paragraphs 0045, 0089, 0169, and 0064; i.e. addition and inclusion of users into groups) into merged user information (drawing reference 36).

Response to Arguments

Applicant's arguments filed 4/25/2007 have been fully considered but they are not persuasive.

Applicant argues on page 45 of the response that the McFadden reference fails to disclose acquiring user information regarding a user from each of a plurality of user information providing means and merging the acquired user information regarding that user. The Examiner, however, respectfully disagrees as provided below:

McFadden does disclose managing dynamic groups of users (abstract and 0037). McFadden further teaches in [0039] incorporating individuals into dynamic groups. Therefore, McFadden sufficiently teaches and describes merging acquired user information regarding a user. In other words, as McFadden teaches groups of individuals (i.e. merged information), McFadden also teaches merging acquired user information regarding a user (i.e. incorporating user records on individuals into those dynamic groups).

Applicant argues on page 47 of the remarks that McFadden does not disclose providing information regarding a designated user. The Examiner respectfully disagrees as McFadden teaches in [0080] a *designation* of delegates for a group. McFadden further explains in Table V of [0093] information regarding a designated user (i.e. group that a user is a delegate of and a Delegate_Id).

Applicant argues on page 48 of the remarks that McFadden fails to disclose corresponding to distinction information that distinguishes a user. The Examiner respectfully disagrees as McFadden teaches this limitation distinguishing users to permit the selection of members from the user space (i.e. line 13-15 of [0056]). As also seen in the rejection of claim 63, McFadden teaches distinction information [0056]. In further explanation, McFadden also teaches registration to spoke computers (i.e. [0065]).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert M. Timblin whose telephone number is 571-272-5627. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John R. Cottingham can be reached on 571-272-7079. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

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published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Robert M. Timblin

Patent Examiner AU 2167
6/27/2007



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